PHILIPS Lighting



Your first step into connected lighting

MasterConnect T8

Introducing MasterConnect LED lamps - smart retrofit LED lamps that give you an easy and seamless way to upgrade to connected lighting. Simply set up with an intuitive app, MasterConnect LED lamps can be programmed to maximize energy savings, while providing wireless and automated light for your comfort and convenience. What's more, it is fully scalable and upgradable. If you want to enjoy further benefits such as remote control or management dashboard, you can simply keep the currently installed lamps and add a gateway to experience all the advantages of a cloud-based system. There's no better way to take lighting solutions to the next level.

Benefits

- \cdot Easy to install and set up
- $\boldsymbol{\cdot}$ Enhanced energy saving and convenience thanks to advanced lighting controls
- Scalable and upgradable to cloud-based solution

Features

- Quick upgrade to smart lighting on verified HF ballasts or direct mains (UL Type A and Type B)
- Product lifetime up to 70,000hrs
- \cdot Easy to set up and control with intuitive app
- Interact ready
- \cdot Reliable and secure wireless technology

Application

- $\boldsymbol{\cdot}$ Office, education, retail and healthcare
- Parking, industry and warehouse

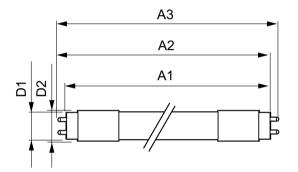
MasterConnect T8

Versions



MC LEDtube G13

Dimensional drawing



14.5T8/48-835/MF20/MC1A10/125.7 mm28 mm1,98 mm1,205 mm1,212 mm14.5T8/48-840/MF21/MC1A10/125.7 mm28 mm1,98 mm1,205 mm1,212 mm14.5T8/48-850/MF21/MC1A10/125.7 mm28 mm1,98 mm1,205 mm1,212 mm14T8/48-840/IF21/MC1A10/125.7 mm26.3 mm1,98 mm1,205 mm1,212 mm14T8/48-840/IF21/MC1A10/125.7 mm26.3 mm1,98 mm1,205 mm1,212 mm14T8/48-850/IF21/MC1A10/125.7 mm26.3 mm1,198 mm1,205 mm1,212 mm						
14.5T8/48-850/MF21/MC IA 10/1 25.7 mm 28 mm 1,198 mm 1,205 mm 1,212 mm 14T8/48-835/IF20/MC IA 10/1 25.7 mm 26.3 mm 1,198 mm 1,205 mm 1,212 mm 14T8/48-840/IF21/MC IA 10/1 25.7 mm 26.3 mm 1,198 mm 1,205 mm 1,212 mm	14.5T8/48-835/MF20/MC IA 10/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
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	14T8/48-850/IF21/MC IA 10/1	25.7 mm	26.3 mm	1,198 mm	1,205 mm	1,212 mm

D2

A1

A2

A3

D1

General Information	
Switching Cycle	50,000
Nominal lifetime	70,000 hour(s)
Light Technical	
Beam Angle (Nom)	160 degree(s)
Color rendering index (CRI)	82
LLMF At End Of Nominal Lifetime	70 %
(Nom)	
Operating and Electrical	
Wattage Equivalent	32 W
Controls and Dimming	
Dimmable	Wireless Dim
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	Т8
Approval and Application	
Ambient temperature range	-20 °C to 45 °C

Light Technical

General Information

Product

Order Code	Full Product Name	Cap-Base
929002456604	14.5T8/48-835/MF20/MC IA 10/1	G13 ROT
929002456704	14.5T8/48-840/MF21/MC IA 10/1	G13 ROT
929002456804	14.5T8/48-850/MF21/MC IA 10/1	G13 ROT
929002051804	14T8/48-835/IF20/MC IA 10/1	G13
929002051904	14T8/48-840/IF21/MC IA 10/1	G13
929002052004	14T8/48-850/IF21/MC IA 10/1	G13

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		Correlated Color		
		Temperature	Color	Luminous
Order Code	Full Product Name	(Nom)	Code	Flux
929002456604	14.5T8/48-835/MF20/MC	3500 K	835	2,000 lm
	IA 10/1			
929002456704	14.5T8/48-840/MF21/MC	4000 K	840	2,100 lm
	IA 10/1			
929002456804	14.5T8/48-850/MF21/MC	5000 K	850	2,100 lm
	IA 10/1			

		Correlated Color		
		Temperature	Color	Luminous
Order Code	Full Product Name	(Nom)	Code	Flux
929002051804	14T8/48-835/IF20/MC IA 10/1	3500 K	835	2,000 lm
929002051904	14T8/48-840/IF21/MC IA 10/1	4000 K	840	2,100 lm
929002052004	14T8/48-850/IF21/MC IA 10/1	5000 K	850	2,100 lm

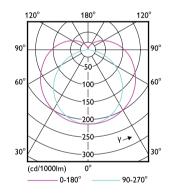
Operating and Electrical

					Starting
	Full Product	Input	Line	Power	Time
Order Code	Name	Frequency	Frequency	Consumption	(Nom)
929002456604	14.5T8/48-835/	50 to 60 Hz	50 to 60 Hz	14.5 W	1s
	MF20/MC IA 10/1				
929002456704	14.5T8/48-840/	50 to 60 Hz	50 to 60 Hz	14.5 W	1s
	MF21/MC IA 10/1				
929002456804	14.5T8/48-850/	50 to 60 Hz	50 to 60 Hz	14.5 W	1s
	MF21/MC IA 10/1				

					Starting
	Full Product	Input	Line	Power	Time
Order Code	Name	Frequency	Frequency	Consumption	(Nom)
929002051804	14T8/48-835/	28K to	28K to	14 W	0.5 s
	IF20/MC IA 10/1	100K Hz	100K Hz		
929002051904	14T8/48-840/	28K to	28K to	14 W	0.5 s
	IF21/MC IA 10/1	100K Hz	100K Hz		
929002052004	14T8/48-850/	28K to	28K to	14 W	0.5 s
	IF21/MC IA 10/1	100K Hz	100K Hz		

Temperature

Order Code	Full Product Name	T-Case Maximum (Nom)
929002456604	14.5T8/48-835/MF20/MC IA 10/1	45 °C
929002456704	14.5T8/48-840/MF21/MC IA 10/1	45 °C
929002456804	14.5T8/48-850/MF21/MC IA 10/1	45 °C
929002051804	14T8/48-835/IF20/MC IA 10/1	40 °C
929002051904	14T8/48-840/IF21/MC IA 10/1	40 °C
929002052004	14T8/48-850/IF21/MC IA 10/1	40 °C





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